

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 13   | injection adj<br>seeding with (opo<br>or parametric)<br>with narrow\$3 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND              | ON      | 2008/01/31<br>08:55 |
| L17   | 0    | parabolic mirror<br>with translation<br>stage                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:29 |
| L18   | 6465 | parabolic mirror   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:29 |
| L19   | 587  | 18 near5 position<br>\$3   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:30 |
| L20   | 15   | 19 and "372".clas.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:31 |
| L21   | 355  | (pair or two)<br>near4 parabolic<br>mirror                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:34 |
| L22   | 0    | (pair or two)<br>near4 parabolic<br>mirror near3 off<br>axis           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:45 |
| L23   | 43   | (pair or two)<br>near8 off axis<br>parabolic mirror                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ              | ON      | 2008/01/31<br>10:47 |
| S1    | 1881 | 372/20.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/01/29<br>14:07 |
| S2    | 783  | 372/21.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/01/29<br>14:07 |

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| S3  | 0   | terahertz with GaP and tun                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/29<br>14:21 |
| S4  | 1   | terahertz with GaP same tun\$3 and "372".clas.                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/29<br>14:21 |
| S5  | 18  | terahertz same tun \$3 and "372".clas.                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/29<br>14:24 |
| S6  | 105 | difference near3 mixing and "372". clas.                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/29<br>14:28 |
| S7  | 17  | ("4880996").PN.<br>OR ("6144679").<br>URPN.                    | US-PGPUB;<br>USPAT; USOCR                          | OR  | ON | 2008/01/29<br>15:15 |
| S8  | 0   | angle near3 phase near3 match and terahertz                    | US-PGPUB;<br>USPAT; USOCR                          | OR  | ON | 2008/01/29<br>15:27 |
| S9  | 55  | angle near3 phase near3 match and nonlinear                    | US-PGPUB;<br>USPAT; USOCR                          | OR  | ON | 2008/01/29<br>15:28 |
| S10 | 62  | difference frequency mixing and (GeSe or GaP or "zngep.sub.2") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/29<br>15:39 |
| S11 | 80  | difference frequency mixing and (GaSe or GaP or "zngep.sub.2") | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/29<br>15:49 |
| S12 | 10  | angle near3 phase near3 match\$3 and terahertz                 | US-PGPUB;<br>USPAT; USOCR                          | OR  | ON | 2008/01/29<br>16:01 |
| S13 | 4   | ("5543960").PN.<br>OR ("6697186").<br>URPN.                    | US-PGPUB;<br>USPAT; USOCR                          | OR  | ON | 2008/01/29<br>16:05 |
| S14 | 0   | difference frequency mixing and (zgp)                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/29<br>17:08 |
| S15 | 68  | collinear phase match\$3                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/29<br>17:17 |

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| S16 | 5    | "587844".ap.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON  | 2008/01/30<br>09:02 |
| S17 | 13   | tunable with<br>forsterite and<br>"372".clas.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON  | 2008/01/30<br>10:41 |
| S18 | 101  | (gap gas "zngep.<br>sub.2") and<br>(forsterite<br>(ytterbium adj<br>doped)) and "372".<br>clas. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON  | 2008/01/30<br>10:52 |
| S19 | 70   | (gap gas "zngep.<br>sub.2") and<br>(forsterite<br>(ytterbium adj<br>doped)) and "372".<br>clas. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/01/30<br>10:53 |
| S21 | 98   | ytterbium doped<br>fiber laser  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | OFF | 2008/01/30<br>11:13 |
| S22 | 13   | ytterbium doped<br>fiber laser and<br>tunable and pump<br>\$3                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | OFF | 2008/01/30<br>11:14 |
| S23 | 31   | ytterbium doped<br>fiber laser with<br>pump\$3  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | OFF | 2008/01/30<br>11:16 |
| S24 | 5    | ytterbium doped<br>fiber laser with<br>optic\$5 near3<br>pump\$3                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | OFF | 2008/01/30<br>11:27 |
| S25 | 16   | non collinear<br>phase match\$3<br>and rotat\$4   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2008/01/30<br>14:01 |
| S26 | 1690 | rotat\$4 near3<br>mirror with beam<br>near4 angle   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2008/01/30<br>14:10 |
| S27 | 481  | rotat\$4 mirror<br>with beam near4<br>angle   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON  | 2008/01/30<br>14:10 |

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| S28 | 10  | rotat\$4 mirror<br>with beam near4<br>angle and "372".<br>clas. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/30<br>14:11 |
| S29 | 242 | rotat\$4 mirror and<br>372/2\$1.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/30<br>14:15 |
| S30 | 20  | rotat\$4 mirror and<br>372/21.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | ADJ | ON | 2008/01/30<br>14:16 |
| S31 | 2   | jp-02287190-\$.<br>did.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:33 |
| S32 | 2   | jp-2002287190-\$.<br>did.                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:33 |
| S33 | 60  | cr adj forsterite<br>with nd adj yag                            | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:35 |
| S34 | 45  | cr adj forsterite<br>with nd adj yag<br>and pulse               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:36 |
| S35 | 0   | cr adj forsterite<br>with nd adj yag<br>near3 pump\$3           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:37 |
| S36 | 15  | ytterbium adj<br>doped adj fiber<br>and yag with<br>pump        | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>15:46 |
| S37 | 2   | yag with "915" adj<br>nm  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>16:16 |
| S38 | 10  | "372".clas. and<br>time with lag with<br>excitation             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>16:43 |

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| S39 | 2 | jp-05110179-\$.<br>did.          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | OR  | ON | 2008/01/30<br>17:01 |
| S40 | 1 | (koishi nakamura<br>aoshima).in. | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2008/01/30<br>17:04 |

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